Marine and Petroleum Geology

Index to Volume 10 (1993)

Number 1 (February) pp 1–80
Number 2 (April) pp 81–184
Number 3 (June) pp 185–296
Number 4 (August) pp 297–408
Number 5 (October) pp 409–528
Number 6 (December) pp 529–640

Article index

Number 1 (February)

Thematic papers: Caprocks

Membrane seal and tertiary migration pathways in the Bodalla South oilfield, Eromanga Basin, Australia
P. J. Boult 3
Tectonic and diagenetically induced seal failure within the south-western Great Bahamas Bank
F. E. Walles 14
Recognition of caprock leakage in the Snorre Field, Norwegian North Sea
T. L. Leith, I. Kaarstad, J. Connan, J. Pierron and G. Caillet 29
The caprock of the Snorre Field, Norway: a possible leakage by hydraulic fracturing
G. Caillet 42
Diffusion model for predicting reservoir gas losses
F. Montel, G. Caillet, A. Pucheu and J. P. Caltagirone 51

Research papers

The fossil oil seep in Mupe Bay, Dorset: a myth investigated
J. A. Miles, C. J. Downes and S. E. Cook 58
Late Palaeozoic glacial sediments of the southern Arabian Peninsula: their lithofacies and hydrocarbon potential
A. S. Alsharhan, A. E. M. Nairn and A. A. Mohammed 71

Number 2 (April)

Influence of basement faults on the development of salt structures in the Danish Basin
H. Koyi and K. Petersen 82
Structural framework and tectono-stratigraphic evolution of the Porcupine Seabight Basin, offshore Western Ireland
M. P. Tate 95
Structural development of the Fennoscandian Border Zone, offshore Denmark
O. Michelsen and L. H. Nielsen 124
Evidence of meteoric recharge in the San Joaquin basin, California provided by isotope and trace element chemistry of calcite
M. J. Hayes and J. R. Boles 135
Numerical modelling of the response to variable stretching rate of a domino fault block system
S. Hardy 145
Kinetic modelling, thermal maturation and hydrocarbon generation in the United Arab Emirates
Y. D. Gumati 153
Effect of mineral matrix and seam thickness on reflectance of vitrinite in high to low volatile bituminous coals: an enigma
F. Goodarzi, T. Gentzis, L. R. Snowdon, R. M. Bustin, S. Feinstein and M. Labonte 162
Miocene evaporitic sequence of the southern Mesopotamian Basin
A. A. M. Aqrawi 172

Number 3 (June)

Late Mesozoic–Cenozoic evolution of the south-western Barents Sea in a regional rift–shear tectonic setting
J. I. Faleide, E. Vågnes and S. T. Gudlaugsson 186
Regional thermal maturity in the Franklinian Mobile Belt, Melville Island, Arctic Canada
T. Gentzis and F. Goodarzi 215
A north Indonesial basin: geo, thermal and hydrocarbon generation histories
F. Maubeuge and I. Lerche 231
Mesozoic rocks from the Hebrides Shelf and implications for hydrocarbon prospectivity in the northern Rockall Trough
K. Hitchen and M. S. Stoker 246
Relationship between reservoir diagenetic evolution and petroleum emplacement in the Ula Field, North Sea
T. Nedkvitne, D. A. Karlsen, K. Bjørlykke and S. R. Larter 255
Evidence for resetting of fluid inclusion temperatures from quartz cements in oilfields
M. Osborne and S. Haszeldine 271
Mapping diagenetic fluid flow within a reservoir: K–Ar dating in the Alwyn area (UK North Sea)
A. J. C. Hogg, P. J. Hamilton and R. M. Macintyre 279

Number 4 (August)

Thematic papers: Minipermeametry

Probe permeametry: it is worth the effort?
D. J. Goggin 299
Recommended practice for probe permeametry
W. J. Sutherland, C. Halvorsen, A. Hurst, C. A. McPhee, G. Robertson, P. R. Whattler and P. F. Worthington 309
Core permeametry imaging: its relevance to conventional core characterization and potential applications to wireline measurement
L. T. Bourke 318
Vertical and horizontal permeability variation within a sandstone reservoir based on minipermeameter measurements
K. Gibbons, C. Halvorsen and E. Siring 325
Application of probe permeametry to the prediction of two-phase flow performance in laminated sandstones (lower Brent Group, North Sea)
P. W. M. Corbett and J. L. Jensen 335
Probe permeametry applied to a highly laminated sandstone reservoir
C. Halvorsen 347

Research papers

Log-derived reservoir properties and porosity preservation of Upper Jurassic Arab Formation in Saudi Arabia
K. Magara, M. S. Khan, F. A. Sharief and H. N. Al-Khatib 352
The Qishn Formation, Yemen: lithofacies and hydrocarbon habitat
Z. R. Beydoun, M. O. Bamahmoud and A. S. O. Nani 364
Geopressure evolution, hydrocarbon generation and migration in the Beaufort-Mackenzie Basin, Canada: results from two-dimensional quantitative modelling
J. Tang and I. Lerche 373
Feldspar albitization and feldspar cementation in the Albert Formation reservoir sandstones, New Brunswick, Canada
A. H. Chowdhury and J. P. A. Noble 394

Marine and Petroleum Geology

Index to Volume 10 (1993)

Number 1 (February) pp 1–80
Number 2 (April) pp 81–184
Number 3 (June) pp 185–296
Number 4 (August) pp 297–408
Number 5 (October) pp 409–528
Number 6 (December) pp 529–640

Article index

Number 1 (February)

Thematic papers: Caprocks

Membrane seal and tertiary migration pathways in the Bodalla South oilfield, Eromanga Basin, Australia
P. J. Boult 3
Tectonic and diagenetically induced seal failure within the south-western Great Bahamas Bank
F. E. Walles 14
Recognition of caprock leakage in the Snorre Field, Norwegian North Sea
T. L. Leith, I. Kaarstad, J. Connan, J. Pierron and G. Caillet 29
The caprock of the Snorre Field, Norway: a possible leakage by hydraulic fracturing
G. Caillet 42
Diffusion model for predicting reservoir gas losses
F. Montel, G. Caillet, A. Pucheu and J. P. Caltagirone 51

Research papers

The fossil oil seep in Mupe Bay, Dorset: a myth investigated
J. A. Miles, C. J. Downes and S. E. Cook 58
Late Palaeozoic glacial sediments of the southern Arabian Peninsula: their lithofacies and hydrocarbon potential
A. S. Alsharhan, A. E. M. Nairn and A. A. Mohammed 71

Number 2 (April)

Influence of basement faults on the development of salt structures in the Danish Basin
H. Koyi and K. Petersen 82
Structural framework and tectono-stratigraphic evolution of the Porcupine Seabight Basin, offshore Western Ireland
M. P. Tate 95
Structural development of the Fennoscandian Border Zone, offshore Denmark
O. Michelsen and L. H. Nielsen 124
Evidence of meteoric recharge in the San Joaquin basin, California provided by isotope and trace element chemistry of calcite
M. J. Hayes and J. R. Boles 135
Numerical modelling of the response to variable stretching rate of a domino fault block system
S. Hardy 145
Kinetic modelling, thermal maturation and hydrocarbon generation in the United Arab Emirates
Y. D. Gumati 153
Effect of mineral matrix and seam thickness on reflectance of vitrinite in high to low volatile bituminous coals: an enigma
F. Goodarzi, T. Gentzis, L. R. Snowdon, R. M. Bustin, S. Feinstein and M. Labonte 162
Miocene evaporitic sequence of the southern Mesopotamian Basin
A. A. M. Aqrawi 172

Number 3 (June)

Late Mesozoic–Cenozoic evolution of the south-western Barents Sea in a regional rift–shear tectonic setting
J. I. Faleide, E. Vågnes and S. T. Gudlaugsson 186
Regional thermal maturity in the Franklinian Mobile Belt, Melville Island, Arctic Canada
T. Gentzis and F. Goodarzi 215
A north Indonesial basin: geo, thermal and hydrocarbon generation histories
F. Maubeuge and I. Lerche 231
Mesozoic rocks from the Hebrides Shelf and implications for hydrocarbon prospectivity in the northern Rockall Trough
K. Hitchen and M. S. Stoker 246
Relationship between reservoir diagenetic evolution and petroleum emplacement in the Ula Field, North Sea
T. Nedkvitne, D. A. Karlsen, K. Bjørlykke and S. R. Larter 255
Evidence for resetting of fluid inclusion temperatures from quartz cements in oilfields
M. Osborne and S. Haszeldine 271
Mapping diagenetic fluid flow within a reservoir: K–Ar dating in the Alwyn area (UK North Sea)
A. J. C. Hogg, P. J. Hamilton and R. M. Macintyre 279

Number 4 (August)

Thematic papers: Minipermeametry

Probe permeametry: it is worth the effort?
D. J. Goggin 299
Recommended practice for probe permeametry
W. J. Sutherland, C. Halvorsen, A. Hurst, C. A. McPhee, G. Robertson, P. R. Whattler and P. F. Worthington 309
Core permeametry imaging: its relevance to conventional core characterization and potential applications to wireline measurement
L. T. Bourke 318
Vertical and horizontal permeability variation within a sandstone reservoir based on minipermeameter measurements
K. Gibbons, C. Halvorsen and E. Siring 325
Application of probe permeametry to the prediction of two-phase flow performance in laminated sandstones (lower Brent Group, North Sea)
P. W. M. Corbett and J. L. Jensen 335
Probe permeametry applied to a highly laminated sandstone reservoir
C. Halvorsen 347

Research papers

Log-derived reservoir properties and porosity preservation of Upper Jurassic Arab Formation in Saudi Arabia
K. Magara, M. S. Khan, F. A. Sharief and H. N. Al-Khatib 352
The Qishn Formation, Yemen: lithofacies and hydrocarbon habitat
Z. R. Beydoun, M. O. Bamahmoud and A. S. O. Nani 364
Geopressure evolution, hydrocarbon generation and migration in the Beaufort-Mackenzie Basin, Canada: results from two-dimensional quantitative modelling
J. Tang and I. Lerche 373
Feldspar albitization and feldspar cementation in the Albert Formation reservoir sandstones, New Brunswick, Canada
A. H. Chowdhury and J. P. A. Noble 394

Number 5 (October)

Petroleum exploration in Italy: a review
L. Mattavelli, M. Pieri and G. Groppi 410
Seismostratigraphy and Neogene–Recent depositional history of the south central continental margin of Cyprus
J. E. McCallum, R. A. Scrutton, A. H. F. Robertson and W. Ferrari 426
North Grand Banks Basin, offshore Newfoundland: a sedimentary epeiric basin west of the Murre–Mercury detachment fault
M. E. Enachescu 439
Basin plain turbidite succession of the Oligocene Izu-Bonin intraoceanic forearc basin
R. N. Hiscott, A. Colella, P. Pezard, M. A. Lovell and A. Malinverno 450
Representation of a growth fault in a two-dimensional quantitative model
F. Maubeuge and I. Lerche 467
Model for prediction of organic carbon content in possible source rocks
T. A. Schwarzkopf 478
Method of estimating the amount of *in situ* gas hydrates in deep marine sediments
M. W. Lee, D. R. Hutchinson, W. P. Dillon, J. J. Miller, W. F. Agena and B. A. Swift 493
Variation of maturity indicators (optical and Rock–Eval) with respect to organic matter type and matrix lithology: an example from Melville Island, Canadian Arctic Archipelago
T. Gentzis, F. Goodarzi and L. R. Snowdon 507

Number 6 (December)

Tectonism: the dominant factor in mid-Cretaceous deposition in the Jeanne d'Arc Basin, Grand Banks
I. K. Sinclair 530
Plio-Pleistocene evolution of the Var deep-sea fan off the French Riviera
B. Savoye, D. J. W. Piper and L. Droz 550
Apatite fission track results from Ireland and the Porcupine basin and their significance for the evolution of the North Atlantic
A. A. McCulloch 572
High resolution seismic profile through a Late Cenozoic delta complex in the southern North Sea
T. D. J. Cameron, J. Bulat and C. S. Mesdag 591
Control of the preservation of organic matter by productivity and sulphate reduction in Kimmeridgian shales from Dorset (UK)
E. Lallier-Vergès, P. Bertrand, A. Y. Huc, D. Bückel and P. Tremblay 600
Relationships between seepage, tectonics and subsurface petroleum reserves
D. S. Macgregor 606
Global cyclostratigraphy: a model of carbonate growth patterns
Y. Y. Li, I. Lerche and M. A. Perlmutter 620

Author index

Agena, W. F. 493
Al-Khatib, H. N. 352
Alsharhan, A. S. 71
Aqrawi, A. A. M. 172

Bamahmoud, M.O. 364
Bertrand, P. 600
Beydoun, Z. R. 364
Bjørlykke, K. 255
Boles, J. R. 135
Boult, P. J. 3
Bourke, L. T. 318
Bückel, D. 600
Bulat, J. 591
Bustin, R. M. 162

Caillet, G. 29, 42, 51
Caltagirone, J. P. 51
Cameron, T. D. J. 591
Chowdhury, A. H. 394
Colella, A. 450
Connan, J. 29
Cook, S. E. 58
Corbett, P. W. M. 335

Dillon, W. P. 493
Downes, C. J. 58
Droz, L. 550

Enachescu, M. E. 439

Faleide, J. I. 186
Feinstein, S. 162
Ferrari, W. 426

Gentzis, T. 162, 215, 507
Gibbons, K. 325
Goggin, D. J. 299
Goodarzi, F. 162, 215, 507
Groppi, G. 410
Gudlaugsson, S. T. 186
Gumati, Y. D. 153

Halvorsen, C. 309, 325, 347
Hamilton, P. J. 279
Hardy, S. 145
Haszeldine, S. 271
Hayes, M. J. 135
Hiscott, R. N. 450
Hitchen, K. 246
Hogg, A. J. C. 279
Huc, A. Y. 600
Hurst, A. 309
Hutchinson, D. R. 493

Jensen, J. L. 335

Kaarstad, I. 29
Karlsen, D. A. 255
Khan, M. S. 352
Koyi, H. 82

Labonte, M. 162
Lallier-Vergès, E. 600
Larter, S. R. 255
Lee, M. W. 493
Leith, T. L. 29
Lerche, I. 231, 373, 467, 620
Li, Y. Y. 620
Lovell, M. A. 450

Macgregor, D. S. 606
Macintyre, R. M. 279
Magara, K. 352
Malinverno, A. 450
Mattavelli, L. 410
Maubeuge, F. 231, 467
McCallum, J. E. 426
McCulloch, A. A. 572
McPhee, C. A. 309
Mesdag, C. S. 591
Michelson, O. 124
Miles, J. A. 58
Miller, J. J. 493
Mohammed, A. A. 71
Montel, F. 51

Nairn, A. E. M. 71
Nani, A. S. O. 364
Nedkvitne, T. 255
Nielsen, L. H. 124
Noble, J. P. A. 394

Osborne, M. 271

Perlmutter, M. A. 620
Petersen, K. 82
Pezard, P. 450
Pieri, M. 410
Pierron, J. 29
Piper, D. J. W. 550
Pucheu, A. 51

Robertson, A. H. F. 426
Robertson, G. 309

Savoye, B. 550
Schwarzkopf, T. A. 478
Scrutton, R. A. 426
Sharief, F. A. 352
Sinclair, I. K. 530
Siring, E. 325
Snowdon, L. R. 162, 507
Stoker, M. S. 246
Sutherland, W. J. 309
Swift, B. A. 493

Tang, J. 373
Tate, M. P. 95
Tremblay, P. 600

Vågnes, E. 186

Walles, F. E. 14
Whattler, P. R. 309
Worthington, P. F. 309

Keyword index

Amplitude blanking
Gas hydrates, Estimation method 493
Apatite fission track analysis
Crustal stress, Uplift and erosion 572
Arab Formation, Saudi Arabia
Porosity preservation, Log-derived reservoir properties 352
Arabian Peninsula
Permo-Carboniferous, Glacial sediments 71
Arctic Canada
Maturity indicators, Organic matter 507
Authigenic quartz
Fluid inclusions, Resetting 271

Basement faults
Danish Basin, Salt diapirs 82
Basin plain turbidites
Forearc basins, Volcaniclastic deposits 450
Biomarkers
Fossil oil seeps, Mupe Bay, Dorset, UK 58
Bituminous coals
Vitrinite reflectance, Matrix effects 162
Brent Group, North Sea
K–Ar dating, Diagenetic fluid flow 279

Calcite geochemistry
Sandstone diagenesis, Meteoric recharge 135

Caprocks
Structural traps, membrane seals 3
Leakage, Snorre Field 29
Hydraulic fracturing, Snorre Field 42
Gas losses, Petroleum reservoirs 51
Carbonate growth patterns
Global cyclostratigraphy, Two-dimensional modelling 620
Continental margins
Cyprus, Seismostratigraphy 426
Core characterization
Probe permeametry, Image analysis 318
Crustal stress
Apatite fission analysis, Uplift and erosion 572
Cyprus
Continental margins, Seismostratigraphy 426

Danish Basin
Salt diapirs, Basement faults 82
Data acquisition
Probe permeametry, Reservoir characterization 299
Deep-sea fan
Seismic stratigraphy, Sediment waves 550
Delta complex
Late Cenozoic, Seismic facies 591
Diagenesis
Petroleum filling, Fluid inclusions 255
Diagenetic alteration
Seal failures, South-western Bahamas 14
Diagenetic fluid flow
K–Ar dating, Brent Group, North Sea 279
Domino fault blocks
Numerical modelling, Synrift sequence stratigraphy 145

Epeiric basins
Grand Banks Basin, Newfoundland, Extensional tectonics 439
Estimation method
Gas hydrates, Amplitude blanking 493
Extensional tectonics
Grand Banks Basin, Newfoundland, Epeiric basins 439

Feldspar albitization
Fluvio-lacustrine sandstones, Feldspar cements 394
Feldspar cements
Fluvio-lacustrine sandstones, Feldspar albitization 394
Fennoscandian Border Zone
Tectonic evolution, Structural development 124
Fluid inclusions
Diagenesis, Petroleum filling 255
Authigenic quartz, Resetting 271
Fluvio-lacustrine sandstones
Feldspar albitization, Feldspar cements 394
Forearc basins
Basin plain turbidites, Volcaniclastic deposits 450
Fossil oil seeps
Mupe Bay, Dorset, UK, Biomarkers 58
Franklinian Mobile Belt, Melville Island, Arctic Canada
Thermal maturity, Source rock potential 215

Gas hydrates
Amplitude blanking, Estimation method 493
Gas losses
Petroleum reservoirs, Caprocks 51
Geohistory
Oil generation and accumulation, Thermal history 231
Geopressure evolution
Two-dimensional modelling, Hydrocarbon generation and migration 373
Glacial sediments
Permo-Carboniferous, Arabian Peninsula 71
Global cyclostratigraphy
Carbonate growth patterns, Two-dimensional modelling 620
Grand Banks Basin, Newfoundland
Extensional tectonics, Epeiric basins 439
Growth fault modelling
Two-dimensional modelling, Indonesia 467

Hebrides Shelf
Mesozoic, Hydrocarbon source potential 246
Hydraulic fracturing
Caprocks, Snorre Field 42
Hydrocarbon accumulations
Seepage, Tectonics 606
Hydrocarbon generation
Kinetic modelling, United Arab Emirates 153
Hydrocarbon generation and migration
Geopressure evolution, Two-dimensional modelling 373
Hydrocarbon habitat
Qishn Formation, Yemen, Source rocks 364
Hydrocarbon source potential
Mesozoic, Hebrides Shelf 246

Image analysis
Probe permeametry, Core characterization 318
Indonesia
Two-dimensional modelling, Growth fault modelling 467
Italy
Petroleum exploration, Review 410

Jeanne d'Arc Basin
Sequence stratigraphy, Rifting 530

K–Ar dating
Diagenetic fluid flow, Brent Group, North Sea 279
Kinetic modelling
Hydrocarbon generation, United Arab Emirates 153

Laminated sandstone reservoir
Probe permeametry, North Sea wells 347
Laminated sandstones
Probe permeametry, Two-phase flow 335
Late Cenozoic
Delta complex, Seismic facies 591
Late Mesozoic–Cenozoic
South-western Barents Sea, Rift–shear tectonics 186
Leakage
Caprocks, Snorre Field 29
Log-derived reservoir properties
Porosity preservation, Arab Formation, Saudi Arabia 352

Matrix effects
Vitrinite reflectance, Bituminous coals 162
Maturity indicators
Organic matter, Arctic Canada 507
Membrane seals
Caprocks, Structural traps 3
Mesozoic
Hebrides Shelf, Hydrocarbon source potential 246
Meteoric recharge
Sandstone diagenesis, Calcite geochemistry 135
Miocene evaporites
Sabkhas, Subaqueous evaporite formation 172
Mupe Bay, Dorset, UK
Fossil oil seeps, Biomarkers 58

North Sea wells
Probe permeametry, Laminated sandstone reservoir 347
Numerical modelling
Domino fault blocks, Synrift sequence stratigraphy 145

Oil generation and accumulation
Thermal history, Geohistory 231
Organic matter
Maturity indicators, Arctic Canada 507
Organic matter preservation
Source rocks, Oxic/anoxic sediments 478
Productivity, Sulphate reduction 600
Oxic/anoxic sediments
Source rocks, Organic matter preservation 478

Permeability variations
Probe permeametry, Sandstone reservoirs 325
Permo-Carboniferous
Glacial sediments, Arabian Peninsula 71
Petroleum exploration
Italy, Review 410
Petroleum filling
Diagenesis, Fluid inclusions 255
Petroleum reservoirs
Gas losses, Caprocks 51
Porcupine Seabight Basin
Tectono-stratigraphic evolution, Recurrent stretching 95
Porosity preservation
Log-derived reservoir properties, Arab Formation, Saudi Arabia 352
Probe permeametry
Reservoir characterization, Data acquisition 299
Recommended practice 309
Core characterization, Image analysis 318
Permeability variations, Sandstone reservoirs 325
Two-phase flow, Laminated sandstones 335
Laminated sandstone reservoir, North Sea wells 347
Productivity
Organic matter preservation, Sulphate reduction 600

Qishn Formation, Yemen
Hydrocarbon habitat, Source rocks 364

Recommended practice
Probe permeametry 309
Recurrent stretching
Porcupine Seabight Basin, Tectono-stratigraphic evolution 95
Reservoir characterization
Probe permeametry, Data acquisition 299

Resetting
Authigenic quartz, Fluid inclusions 271
Review
Petroleum exploration, Italy 410
Rift–shear tectonics
South-western Barents Sea, Late Mesozoic–Cenozoic 186
Rifting
Jeanne d'Arc Basin, Sequence stratigraphy 530

Sabkhas
Miocene evaporites, Subaqueous evaporite formation 172
Salt diapirs
Danish Basin, Basement faults 82
Sandstone diagenesis
Meteoric recharge, Calcite geochemistry 135
Sandstone reservoirs
Probe permeametry, Permeability variations 325
Seal failures
South-western Bahamas, Diagenetic alteration 14
Sediment waves
Deep-sea fan, Seismic stratigraphy 550
Seepage
Tectonics, Hydrocarbon accumulations 606
Seismic facies
Delta complex, Late Cenozoic 591
Seismic stratigraphy
Deep-sea fan, Sediment waves 550
Seismostratigraphy
Continental margins, Cyprus 426
Sequence stratigraphy
Jeanne d'Arc Basin, Rifting 530
Snorre Field
Caprocks, Leakage 29
Caprocks, Hydraulic fracturing 42
Source rock potential
Franklinian Mobile Belt, Melville Island, Arctic Canada, Thermal maturity 215
Source rocks
Qishn Formation, Yemen, Hydrocarbon habitat 364
Organic matter preservation, Oxic/anoxic sediments 478
South-western Bahamas
Seal failures, Diagenetic alteration 14
South-western Barents Sea
Late Mesozoic–Cenozoic, Rift–shear tectonics 186
Structural development
Fennoscandian Border Zone, Tectonic evolution 124
Structural traps
Caprocks, Membrane seals 3
Subaqueous evaporite formation
Miocene evaporites, Sabkhas 172
Sulphate reduction
Organic matter preservation, Productivity 600
Synrift reduction
Organic matter preservation, Productivity 600
Synrift sequence stratigraphy
Numerical modelling, Domino fault blocks 145

Tectonic evolution
Fennoscandian Border Zone, Structural development 124
Tectonics
Seepage, Hydrocarbon accumulations 606
Tectono-stratigraphic evolution
Porcupine Seabight Basin, Recurrent stretching 94
Thermal history
Oil generation and accumulation, Geohistory 231
Thermal maturity
Franklinian Mobile Belt, Melville Island, Arctic Canada, Source rock potential 215
Two-dimensional modelling
Geopressure evolution, Hydrocarbon generation and migration 373
Growth fault modelling, Indonesia 467
Global cyclostratigraphy, Carbonate growth patterns 620
Two-phase flow
Probe permeametry, Laminated sandstones 335

United Arab Emirates
Kinetic modelling, Hydrocarbon generation 153
Uplift and erosion
Apatite fission track analysis, Crustal stress 572

Vitrinite reflectance
Bituminous coals, Matrix effects 162
Volcaniclastic deposits
Basin plain turbidites, Forearc basins 450

Book reviews
79, 180, 295, 403, 632

Calendar
80, 184, 296, 408, 528, 640

Correspondence
514